

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1332	73/38	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 08:31
S2	133	S1 and (radiation radioactiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/18 17:24
S3	14	("3286509"   "3580067"   "3590634"   "3937649"   "3999066"   "4656865"   "4663969"   "4965450"   "5159829"   "5390539"   "6119506"   "6358570"   "6413645").PN. OR ("6804989"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 17:26
S4	33	("3498110"   "3561254"   "3590634"   "3618361"   "3844940"   "3976450"   "4036915").PN. OR ("4656865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 17:32
S5	13	( "3286509" or "3580067" or "3590634" or "3937649" or "3999066" or "4663969" or "4965450" or "5159829" or "6119506" or "6358570" or "6413645" or "20030074954" ).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 08:32
S6	6	S5 and (radia\$6 or radioactive)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 09:09
S7	22	"3498110"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 14:08
S9	627	beta with radiation with (detect detection monitor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 14:08
S11	103	beta with radiation with (detect detection monitor) and (permea\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 14:30
S12	1	"4656865".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 14:30

## EAST Search History

S13	5	(US-20050167598-\$).did. or (US-6804989-\$ or US-5390539-\$ or US-3999066-\$).did. or (US-3498110-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 14:34
S14	14	("3286509"   "3580067"   "3590634"   "3937649"   "3999066"   "4656865"   "4663969"   "4965450"   "5159829"   "5390539"   "6119506"   "6358570"   "6413645").PN. OR ("6804989"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 14:37
S15	13	( "3286509" or "3580067" or "3590634" or "3937649" or "3999066" or "4663969" or "4965450" or "5159829" or "6119506" or "6358570" or "6413645" or "20030074954" ).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 16:36
S18	1	S15 and methane	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 16:38
S19	7	"5390539"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 16:43
S20	6	(US-20050167598-\$).did. or (US-6804989-\$ or US-5390539-\$ or US-3999066-\$ or US-6532797-\$). did. or (US-3498110-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 17:02
S21	3	(S15 or S20) and humidity with constant	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 17:16
S22	1332	73/38	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 17:16
S23	13	(S15 or S20) and humidity	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 17:48
S24	10	S23 not S21	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/22 17:16
S25	3	(S15 or S20) and polymeric	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 08:16

## EAST Search History

S26	1	"20020152800".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 08:17
S27	1332	73/38	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 08:22
S28	67	S27 and (poros\$5 permeab\$6) with (seal adhesive)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 08:25
S29	18	("20010034063"   "20030014205"   "4326514"   "4822743"   "4848138"   "4987849"   "5001346"   "5009218"   "5047947"   "5128106"   "5323774"   "5447688"   "5449912"   "5926262"   "5951909"   "5963881"   "6259370"   "6622059").PN. OR ("6993956"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 09:08
S30	1	radioactive with absorption with device same gas with stream	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 09:10
S31	19	(radioactive radiation) with (absorption removal) with device same gas with stream	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 09:45
S32	3429	(radioactive radiation) with (porosity permeability)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:46
S33	371	(radioactive radiation) with (porosity permeability) near5 (measure\$6 monitor\$4 detect\$6 determin\$6 calculat\$6 calibrat\$6 sens\$4 test\$4 gauge\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:47
S34	999	(radioactive radiation) with (porosity permeability) and (porosity permeability) near5 (measure\$6 monitor\$4 detect\$6 determin\$6 calculat\$6 calibrat\$6 sens\$4 test\$4 gauge\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:47
S35	14	S33 and (water near3 vapor or carbon) with (permea\$8 or poros\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:49

## EAST Search History

S36	288	S34 and (water near3 vapor or carbon) with (permea\$8 or poros\$5) and (film sheet polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:51
S37	71	S34 and (water near3 vapor or carbon) with (permea\$8 or poros\$5) and (film sheet polymer) not ("166").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/23 09:51
S38	12	(US-20050167598-\$ or US-20020152800-\$).did. or (US-6804989-\$ or US-5390539-\$ or US-3999066-\$ or US-6532797-\$ or US-6413645-\$ or US-4663969-\$ or US-6477888-\$ or US-4049405-\$ or US-5449912-\$).did. or (US-3498110-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:29
S39	0	S37 and purge near5 gas	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 10:30
S40	0	S37 and purge	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 10:31
S41	35	S37 and clean	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 10:30
S42	4	S38 and purge	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 11:46
S43	56	radioactive with carbon near2 monoxide	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 11:49
S44	790	(radioactive radiation) with carbon near2 monoxide not S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 11:49
S45	354	(radioactive radiation) with carbon near2 monoxide not S43 and ("73").clas. or porosity or permea\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 11:51
S46	13	(radioactive radiation) with carbon near2 monoxide not S43 and ("73").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/23 12:32

## EAST Search History

S47	12	(US-20050167598-\$ or US-20020152800-\$).did. or (US-6804989-\$ or US-5390539-\$ or US-3999066-\$ or US-6532797-\$ or US-6413645-\$ or US-4663969-\$ or US-6477888-\$ or US-4049405-\$ or US-5449912-\$).did. or (US-3498110-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 12:35
S48	14	("3286509"   "3580067"   "3590634"   "3937649"   "3999066"   "4656865"   "4663969"   "4965450"   "5159829"   "5390539"   "6119506"   "6358570"   "6413645").PN. OR ("6804989"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 12:36